

20000128.qrp v01_n714.qrl.20000128

Date: Fri, 28 Jan 2000 19:03:08 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1714

QRP-L Digest 1714

Topics covered in this issue include:

- 1) [61458] FT-100 knob for the K2 (no screw)
by ABCQRP <w6abc@yahoo.com>
- 2) [61459] Attn QRPers - DX convention in Vancouver, B.C.
by Paul Erickson <paule@sfu.ca>
- 3) [61460] Re: Question abt 160M & snow cover
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 4) [61461] Re: 6m QRP
by Richard Sherman <srichard@aldus.northnet.org>
- 5) [61462] OT: record sound on PC
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
- 6) [61463] Re: OT: record sound on PC
by "Robert P. Okas" <vintage@best.com>
- 7) [61464] Re: FT-100 knob for the K2 (no screw)
by Jim Apple <wb1dog@yahoo.com>
- 8) [61465] Re: FT-100 knob for the K2 (no screw)
by Jim Apple <wb1dog@yahoo.com>
- 9) [61466] RE: FT-100 knob for the K2 (no screw)
by Radman <radman@best.com>
- 10) [61467] WTB: Poqet laptop
by k5zty@juno.com
- 11) [61468] Re: NorCal Cap Kit - list of Values? --> Toroids
by ae2t@arrl.net
- 12) [61469] Set Screw for the FT-100 Knob Thanks to all.
by ABCQRP <w6abc@yahoo.com>
- 13) [61470] Re: Comfortable headphones ?
by "Nick Kennedy" <nkennedy@tcainet.net>
- 14) [61471] Re: Set Screw for the FT-100 Knob Thanks to all.
by "Richard Matthews" <prm@hiwaay.net>
- 15) [61472] 2 cents on 6 meters
by Mighty Mik <mitymik@wenet.net>
- 16) [61473] Re: FOX Alert: Final Warning
by K1JD@aol.com
- 17) [61474] Re: HW-7 Mods
by jaywa5whn@juno.com
- 18) [61475] FOX - regen
by n5ib@juno.com
- 19) [61476] FOX: What a great dig!

- by Shepherd@aol.com
- 20) [61477] Re: My 6M ignorance
by "Tom" <tmccullo@suffolk.lib.ny.us>
 - 21) [61478] Fox Hunt
by w2xn@juno.com
 - 22) [61479] Re: My 6M ignorance
by Dave Sjolin <sjolin@swbell.net>
 - 23) [61480] FOX:Cross Country Hunt.
by Ed Loranger <we6w@netzero.net>
 - 24) [61481] OT: Record sound on PC
by "K3GM" <k3gm@home.com>
 - 25) [61482] oh oh, cat is out of the bag!
by "Walt Amos" <k8cv@netzero.net>
 - 26) [61483] Re: St. Max
by "Carlos J. Caro" <cjcaro@nail.com>
 - 27) [61484] cancel
by "P. Michael Cloud" <pmcloud@ix.netcom.com>
 - 28) [61485] Toroids in NorCal Toroid Kit
by "Doug Hendricks" <ki6ds@dospalos.org>
 - 29) [61486] Re: FOX Alert: Final Warning
by Monte Stark <ku7y@dri.edu>
 - 30) [61487] Small Loop Antenna vs Efficiency
by aweiss@usd.edu (Ade Weiss W0RSP)
 - 31) [61488] Re: HB audio freq DDS
by "Leon Heller" <leon_heller@hotmail.com>
 - 32) [61489] Re: Comfortable headphones ?
by Corky Kirk <w6ors@juno.com>
 - 33) [61490] New way to catch the Fox
by "Dan Wolfe" <n4roa@mounet.com>
 - 34) [61491] Re: Comfortable headphones ?
by Bob Nielsen <nielsen@primenet.com>
 - 35) [61492] K2 / TT 1210
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
 - 36) [61493] Prayer to St. Max, Patron of Ham Radio Ops
by NA1XX@aol.com
 - 37) [61494] Kenwood AT-250
by Charles R Greene <cgreene7@juno.com>
 - 38) [61495] Re: oh oh, cat is out of the bag!
by Bruce Muscolino <w6toy@erols.com>
 - 39) [61496] Defacto 6 M DX Alert Freqs
by John R Kirby <n3aaz-qrp@juno.com>
 - 40) [61497] Re: My 6M ignorance
by Frank Alwine <n1gpy@together.net>
 - 41) [61498] Changing Email address
by Mercxx@aol.com
 - 42) [61499] Re: WE6W Resonant Speaker Project.
by Bruce Kizerian <kizerian@ced.utah.edu>
 - 43) [61500] Re: Small Loop Antenna vs Efficiency

- by "Nick Kennedy" <nkennedy@tcainternet.com>
- 44) [61501] Attic tower and lighting protection/grounding
by Jim Apple <wb1dog@yahoo.com>
- 45) [61502] Re: Comfortable headphones ?
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 46) [61503] Re: Comfortable headphones ?
by "Tom Hybiske" <hybiske@generalatronics.com>
- 47) [61504] FOX Log - First Draft Approach
by "Franco, Nicholas J" <franco@bnl.gov>
- 48) [61505] ARRL Appointment
by K4NK@aol.com
- 49) [61506] 6M antenna cross polarization question
by "Tom Hybiske" <hybiske@generalatronics.com>
- 50) [61507] HW-7 Response summary
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
- 51) [61508] Antenna Polarization on VHF in General and other observations
by wb2vuo@juno.com
- 52) [61509] FOX: report
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 53) [61510] Re: WE6W Resonant Speaker Project.
by Bruce Kizerian <kizerian@ced.utah.edu>
- 54) [61511] Re: Kenwood AT-250
by Dick Carroll <dixie@townsqsr.com>
- 55) [61512] FOX: Team Log access problem
by "Franco, Nicholas J" <franco@bnl.gov>
- 56) [61513] RE: Changing Email
by Mercxx@aol.com
- 57) [61514] Re: My 6M ignorance
by Jim Durkin <jimdurkin@yahoo.com>
- 58) [61515] Re: FOX Log - First Draft Approach
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 59) [61516] Re: 6m QRP
by Caitlyn Martin <caitlyn@netferrets.net>
- 60) [61517] Re: Best Six Meter DX In Decades?????
by Caitlyn Martin <caitlyn@netferrets.net>
- 61) [61518] FOX Log: Could be Final Log
by "Franco, Nicholas J" <franco@bnl.gov>
- 62) [61519] Re: WE6W Resonant Speaker Project.
by Ed Loranger <we6w@qsl.net>
- 63) [61520] 6M: Propagation Alert! (Au)
by Frank Alwine <n1gpy@together.net>
- 64) [61521] OT: The mind is a terrible thing to loose (me)
by "Franco, Nicholas J" <franco@bnl.gov>
- 65) [61522] HW-7 Mods
by lnrr@juno.com
- 66) [61523] Re: 6M antenna cross polarization question
by Dave Sjolín <sjolin@swbell.net>
- 67) [61524] Re: ARRL Appointment

- by Joel Malman <malman@world.std.com>
- 68) [61525] Construction practices
by "Ron White" <rwhite@netins.net>
- 69) [61526] RE: Construction practices
by Sam_Stimson@Dell.com
- 70) [61527] Shack visit by N0TU
by Ed Loranger <we6w@qsl.net>
- 71) [61528] Re:Cutting PC Board material.
by Ed Loranger <we6w@qsl.net>
- 72) [61529] WTB: KnightSmite
by Michael Bower <bowerm@ix.netcom.com>
- 73) [61530] Re: Construction practices
by Chris Trask <ctrask@primenet.com>
- 74) [61531] Re: Construction practices
by K2UD@aol.com
- 75) [61532] KIT: NOGAPIG - A little FAT in the Current Consumption Department
for some USERS!
by Sam Billingsley <SBillingsley@usaninc.com>
- 76) [61533] AF4PS's 2n2 - or - Adventures in "Manhattan" (long)
by Macstein@aol.com
- 77) [61534] C-IV remote control software
by "Niel Skousen" <nskousen@scientech.com>
- 78) [61535] Snakes & QRP outdoors,Why we have the problem
by RangerSF5@aol.com
- 79) [61536] Re: My 6M ignorance
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 80) [61537] Ref. 160M CW Contest
by George F Franklin <w0av@juno.com>
- 81) [61538] 2N2222's gone for now
by DENNYV@CLARITYCONNECT.COM
- 82) [61539] Re: HW-7 Response summary
by Buck Switzer <n8cqa@tir.com>
- 83) [61540] New Fox Nabber Technique / in the running for Top Award
by "Zoerb, Ron" <Zoerb.Ron@tci.com>
- 84) [61541] Re: Snakes & QRP outdoors,Why we have the problem
by Dave Curry <kb8tt@ncweb.com>

Date: Thu, 27 Jan 2000 16:20:56 -0800 (PST)
From: ABCQRP <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [61458] FT-100 knob for the K2 (no screw)
Message-ID: <20000128002056.8994.qmail@web2104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi,

Just wanted to say, first that I ordered the knob and it already arrived from Yaesu. But...they did not include the tightening screw with the knob itself. I wonder if anyone else had this happen or did I need to (obviously) order the screw along with the knob and rubber ring? Maybe I can pick up the proper screw locally instead of ordering from Yaesu. Does anyone know the right size to get?

So, take a tip from my experience if you ordered a knob for your K2 from Yaesu...make sure you get the screw along with the other 2 parts. I was not aware of that.

73,
Jack

Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Thu, 27 Jan 2000 16:30:37 -0800
From: Paul Erickson <paule@sfu.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Multiple recipients of list QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>
Subject: [61459] Attn QRPers - DX convention in Vancouver, B.C.
Message-ID: <3890E32D.AACEBAAC@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi there,

In case you needed any other excuse to come visit one of the five most beautiful cities in the world, here it is:

Subject: DX Convention in Vancouver Canada

Hello fellow hamster;

The BC DX Club and the Fraser Valley DX Club invite you to DX2000 in beautiful Vancouver, British Columbia, Canada July 28-30, 2000 . We've changed our venue to make this event as fun and interesting for your spouse (and children) as it is for you. Our new hotel was chosen for it's excellent location and facilities. We are working on what we hope will be a fresh program and will be inviting many of your friends from the DX, QRP and Contest world. We need your attendance to make this event the best ever. The hotel will be in

demand and will book quickly - book it today! Please see our web site for further details at <http://www.bcdxc.org>

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

Date: Thu, 27 Jan 2000 18:34:08 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: kj5tf@yahoo.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61460] Re: Question abt 160M & snow cover
Message-ID: <005501bf6927\$64fce6c0\$8b2abcd0@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Jim,

Go for it!

Snow itself should have no effect on 160m propagation, the wavelength is much too long. At microwave frequencies the effects are of course noticable. The improvements noticed are probably do to the fact that in the winter season thunderstorms are much less frequent. Also, because of seasonal variations of solar illumination, the D-layer of the ionosphere will have less absorbtion in the snowy season (plus the nights are longer).

Here in Fort Worth we had several sleet thunderstorms this morning that of course increased 160m QRN due to the lightning strikes.

But don't get me wrong, snow is a good excuse to get on 160m :-)

73,

Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Thu, 27 Jan 2000 19:31:14 -0500
From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-1@Lehigh.EDU

Subject: [61461] Re: 6m QRP
Message-ID: <3.0.6.32.20000127193114.0087ea90@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I agree that a beam helps a lot on 6m. But when I first got on 6m the only antenna I used was my 40m dipole thru an old MFJ tuner. The rig was a Yaesu FT-736r with 6m module and a max of 8w out on 6m. It worked great. I missed some of the marginal sporadic E openings and aurora, but I did make a lot of contacts when the band was open. I also got a lot of "you're 20 over 9 here with your 5w."

My advice is to get on the air with whatever you can. I think part of the magic of the "Magic Band" is that it's very forgiving in many situations.
72 de Rick WZ2T NNY FN24

Date: Thu, 27 Jan 2000 19:49:29 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61462] OT: record sound on PC
Message-ID: <000501bf6929\$7a498f40\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Folks,

HELP! This is my first OT:
I'm lookinking for software to convert a 90 minute cassette tape to WAV file format on my PC. All software I've found can only record 60 seconds. I have a standard 16 bit sound card and can record 60 seconfs FB, but where can I find software that will let me record 90 minutes to a WAV file?

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Thu, 27 Jan 2000 17:28:12 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: Dieter Gentzow - WB8QYY <wb8qyy@one.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61463] Re: OT: record sound on PC
Message-ID: <Pine.BSF.4.21.0001271723580.5844-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dieter,

Try CoolEdit. It's a relatively low cost program with numerous features. Surf on over to:

www.syntrillium.com

Standard disclaimers apply...

73,
Bob - W3CD

On Thu, 27 Jan 2000, Dieter Gentzow - WB8QYY wrote:

> Hi Folks,
>
> HELP! This is my first OT:
> I'm lookinking for software to convert a 90 minute cassette tape to WAV file
> format on my PC. All software I've found can only record 60 seconds.
> I have a standard 16 bit sound card and can record 60 seconfs FB, but where
> can I find software that will let me record 90 minutes to a WAV file?
>
> 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> Loveland, Ohio - near Cincinnati; 39.218N - 84.305W
> FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
> <http://w3.one.net/~gentzow/wb8qyy.htm>
>
>
>

Date: Thu, 27 Jan 2000 17:30:55 -0800 (PST)
From: Jim Apple <wb1dog@yahoo.com>
To: w6abc@yahoo.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61464] Re: FT-100 knob for the K2 (no screw)
Message-ID: <20000128013055.19430.qmail@web3201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- ABCQRP <w6abc@yahoo.com> wrote:

> Hi,
> Just wanted to say, first that I ordered the knob
> and
> it already arrived from Yaesu. But...they did not
> include the tightening screw with the knob itself.
> I
> wonder if anyone else had this happen or did I need
> to
> (obviously) order the screw along with the knob and
> rubber ring? Maybe I can pick up the proper screw
> locally instead of ordering from Yaesu. Does anyone
> know the right size to get?
> So, take a tip from my experience if you ordered a
> knob for your K2 from Yaesu...make sure you get the
> screw along with the other 2 parts. I was not aware
> of that.
> 73,
> Jack
> -----
> Do You Yahoo!?
> Talk to your friends online with Yahoo! Messenger.
> <http://im.yahoo.com>
>

=====

- Jim Apple (WB1DOG)

Do You Yahoo!?
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<http://im.yahoo.com>

Date: Thu, 27 Jan 2000 17:32:24 -0800 (PST)
From: Jim Apple <wb1dog@yahoo.com>
To: w6abc@yahoo.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61465] Re: FT-100 knob for the K2 (no screw)
Message-ID: <20000128013224.9010.qmail@web3206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Mine came with the screw. I believe it's metric, but I

don't know the exact size.

BTW: I love it, it looks and feels great.

- Jim (wb1dog)

=====

- Jim Apple (WB1DOG)

Do You Yahoo!?

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<http://im.yahoo.com>

Date: Thu, 27 Jan 2000 17:44:44 -0800

From: Radman <radman@best.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'ABCQRP'"
<w6abc@yahoo.com>

Subject: [61466] RE: FT-100 knob for the K2 (no screw)

Message-ID: <01BF68EE.33B3F4C0@radman.vip.best.com>

Hi Jack et al,

RE: the Yaesu FT-100 knob & rubber ring as a popular "mod" for the Elecraft K2. Many of us on the Elecraft (K2) reflector have ordered those Yaesu knob components directly from Yaesu/California - in fact we bought-out the entire inventory of Yaesu FT-100 knobs over a couple weeks time! I've not heard of anyone being shortchanged a set screw. It ****should**** be included with the main knob. The set screw (grub screw) requires a 1.5mm allen wrench, that does NOT come with the knob, but you should be able to find that at your local H/W store, etc.

My advice: call the nice folks at Yaesu and tell them you were shorted a set screw. They'll probably just send you one in the mail -- gratis. In terms of locating a replacement, it's a metric thread - not likely to be found in the parts bin at Ace Hardware. But, there's ****no**** need to order a set screw - it comes with the FT-100 knob assy. Hope this helps :)

GL es 72,

Conrad - NN6CW

Hi,

Just wanted to say, first that I ordered the knob and it already arrived from Yaesu. But...they did not include the tightening screw with the knob itself.

///snip///

73,
Jack

Date: Thu, 27 Jan 2000 19:42:45 -0600
From: k5zty@juno.com
To: qrp-l@lehigh.edu
Subject: [61467] WTB: Poqet laptop
Message-ID: <20000127.194445.-118003.1.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Good evening to the group,

If anyone bought one of those Poqet computers and found it wasn't what they wanted and would like to sell it, I would like to buy one. I missed the original offering.

Thanks,
Bill, K5ZTY
Houston, TX
k5zty@juno.com

Date: Thu, 27 Jan 2000 20:28:02 -0500
From: ae2t@arrl.net
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61468] Re: NorCal Cap Kit - list of Values? --> Toroids
Message-ID: <200001280150.UAA14228@allman.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 21 Jan 00, at 23:33, HWRM1SS@aol.com wrote:

> QRPers,
> Does anyone have a list of the cap values in the old NorCal Cap Kit??? and
> wasn't there someone who had a label page that could be printed? I would
> appreciate it if someone could point me i the right direction for this
> information
> Tnx es 72

> Howard K3HW
>

How about the list of the toroids in the Toroid kit? I'll bet I'm not the only one with a kit sitting waiting to be sorted and identified.

=====
The amazing thing about QRP is not how many contacts are made, but that they are made at all. Every QSO is a contradiction of conventional wisdom.

72,

Al Gritzmacher, AE2T

QRP-L #1664 QRP-ARCI #9837 K2 #274

ae2t@arrl.net

<http://members.localnet.com/~ae2t/>

QRP - If you don't try, you'll never know!

Date: Thu, 27 Jan 2000 18:08:48 -0800 (PST)
From: ABCQRP <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [61469] Set Screw for the FT-100 Knob Thanks to all.
Message-ID: <20000128020848.16599.qmail@web2103.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks for the replies about the set screw.
Apparently it was just missing from "my" particular knob. I'll call Yaesu in the morning and advise them and hopefully they will oblige and send me one.
Thanks again. It really does look like a very nice addition to a great radio. I am having so much fun with mine, I can't believe I'm running 5 watts. Great rst reports and much DX worked in less than a week so far.
73,
Jack

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Thu, 27 Jan 2000 20:12:54 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: <aturner13@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61470] Re: Comfortable headphones ?
Message-ID: <002b01bf6935\$3259eac0\$9e2ab4d0@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

If you're looking for something you can use with music as well as with the rig--I'd recommend the Koss Pro 4AA. They enclose the ears with big, soft pads and shut down outside sounds well too. I guess these are called "isolating type." They were popular until sometimes in the seventies when "open air" types became popular. After years of open air type and walkman style, I yearned for the comfort and also to shut out the noise from my growing family. I found that the Pro 4-AA's were still available. Kind of expensive though--maybe \$100 or more.

One thing I noticed--they're not as efficient as the little lightweight units. So if you're using a QRP rig with a wimpy audio amp, these may not be for you.

73,

Nick, WA5BDU
in Arkansas

PS--Guess I've got a headphone fetish. Got the Pro 4AA's for Christmas last year and this year I got some cool Sennheiser 900 MHz wireless units. Haven't yet plugged them into the rig so I can monitor 1811 KHz as I wander around the house, but I'm going to.

----- Original Message -----

From: "Alex" <aturner13@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, January 27, 2000 8:24 AM
Subject: Comfortable headphones ?

> Can someone recommend some comfortable headphones. I'm looking for the full
> coverage type and I've tried several but the ear cups are just too

> small.(They fit on the ear rather than the ear being in
the cup.I don't
> think my ears are really big either). I haven't found a
lot of info on
> headsets so if someone can point me in the right direction
or offer a
> personal endorsement I would appreciate it.
>
> Thanks
> Alex,N4BYJ
>
>

Date: Thu, 27 Jan 2000 20:16:32 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-1@Lehigh.edu>
Subject: [61471] Re: Set Screw for the FT-100 Knob Thanks to all.
Message-ID: <009301bf6935\$b2e071a0\$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hearing you lucky guys talk about the K2 makes many mouths water out her in
radioland. I must admit, I'm thinking about making the leap.

Would you already owners say "buy it with all the options" or "buy the basic
radio and add on to it as is needed"?

Richard, WA4NWW dreaming of ham radios again

----- Original Message -----

From: ABCQRP <w6abc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, January 27, 2000 8:08 PM
Subject: Set Screw for the FT-100 Knob Thanks to all.

> Thanks for the replies about the set screw.
> Apparently it was just missing from "my" particular
> knob. I'll call Yaesu in the morning and advise them
> and hopefully they will oblige and send me one.
> Thanks again. It really does look like a very nice
> addition to a great radio. I am having so much fun

> with mine, I can't believe I'm running 5 watts. Great
> rst reports and much DX worked in less than a week so
> far.
> 73,
> Jack
>
> -----
> Do You Yahoo!?
> Talk to your friends online with Yahoo! Messenger.
> <http://im.yahoo.com>
>

Date: Thu, 27 Jan 2000 18:27:53 -0800
From: Mighty Mik <mitymik@wenet.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [61472] 2 cents on 6 meters
Message-ID: <3890FE3A.B9484864@wenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1) antennas do not require a lot of room. 2) isn't the 6 meter miles/watt record recorded using MICROwatts? 3) as to the lack of inexpensive amps, there may be an opportunity there for someone (kit anyone?) *

72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441
NC20 SWL40+ ZM-2 DSP-3 rocket scientist and Ten Tec 1208 owner.
Aeropac #111 Tripoli #3071 Level 2 GRID CM87

* OK, a 5w in/ xx W out amp isn't QRP, but may be highly desired for those times 5 watts just won't work.

Date: Thu, 27 Jan 2000 21:32:58 EST
From: K1JD@aol.com
To: franco@bnl.gov, qrp-1@lehigh.edu
Subject: [61473] Re: FOX Alert: Final Warning
Message-ID: <8a.9aa658.25c259da@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Nick:
Despite watery "aurora" signals, the conditions overall were outstanding

tonight. Not only were you Q5, all the usual suspects coast to coast were too.. and LOUD. QRN is very low, QRM not bad.

Have you been fooling with some gizmo in the BNL Collider-Accelerator Department to stimulate the ionosphere?

Thanks for the pelt!

73,

John K1JD

Jamestown, RI

<http://hometown.aol.com/k1jd/index.html>

K2's #139 & 583

Date: Thu, 27 Jan 2000 19:39:29 -0700

From: jaywa5whn@juno.com

To: qrp-l@lehigh.edu

Subject: [61474] Re: HW-7 Mods

Message-ID: <20000127.193940.-1014943.0.jaywa5whn@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

"The HW-8 Handbook" , by WB8VGE {find a copy}

Contact the ARRL & obtain copies of the following copyrighted "QST" articles;

"New Front End for Heath HW-7", by Jerry P. Wine, KH6HKZ, December 1973, page 23

"HW-7 QRP Transceiver Modifications", by Doug DeMaw, W1CER, January, 1974, page 35

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 27 Jan 2000 21:45:03 EST

From: n5ib@juno.com

To: qrp-1@Lehigh.edu
Subject: [61475] FOX - regen
Message-ID: <20000127.203939.4671.4.N5IB@juno.com>

Gang,

What a hoot! I've been listening to tonight's hunt - with my TenTec regen. Believe me, you haven't had a FFE (full fox experience) 'till you can hear ALL the hounds baying at once (plus some other stuff) in the wide passband. Must be what dxing was like in the 20's.
Nick sounds pretty good here in LA on the regen and the loop.

Can't decide whether to try for pelt #3 or just sit by the fire and listen to the fun.

good luck and good hunting
Jim N5IB

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Date: Thu, 27 Jan 2000 21:56:05 EST
From: Shepherd@aol.com
To: 70511.3041@compuserve.com, qrp-1@lehigh.edu
Subject: [61476] FOX: What a great dig!
Message-ID: <78.bd186b.25c25f45@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Nick,
Your doing a great job tonight! Hounds, your all loud from east to west, must be all the snow! :-)

Tnx for another pelt, and a great hunt!

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667
<http://members.aol.com/shephed/n8ie.htm>

Date: Thu, 27 Jan 2000 22:21:00 -0500
From: "Tom" <tmccullo@suffolk.lib.ny.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61477] Re: My 6M ignorance
Message-ID: <002c01bf693e\$b4519ec0\$f9178bd1@tmccullo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

Well I'm also quite ignorant to 6 meters and also a bit gun shy, I guess. Growing up in the 1960's in a pretty densely populated area with a TV antenna on the roof of each house, the first thing I was taught was to stay away from 6 meters because of TVI.

Nowadays cable is about 99.9% the norm, but I'm still looking over my shoulder when I even think about 6. I'm pleasantly surprised at the large response to the 6 meter post, can you guys tell me if I can get off the therapist's couch or are my TVI fears still justifiable.

Thanks, as usual

Tom McCulloch WB2QDG

Date: Thu, 27 Jan 2000 22:32:42 -0500
From: w2xn@juno.com
To: qrp-1@lehigh.edu
Subject: [61478] Fox Hunt
Message-ID: <20000127.223245.-573439.3.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Nice job as fox, Nick. You are doing a fantastic job and keeping up a good rate. It sounds like you are sending everything manually, too, without a memory keyer. And pencil and paper logging? Doesn't sound like a "black hole" for RF to me.

Thank you for picking me out of the crowd and putting me in your log.

Fred W2XN w2xn@arrl.net (One of the Swamp Rats)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES
AR QRP #233 QRP-L #1728 NJ-QRP #197 ZOMBIE #709

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 27 Jan 2000 21:41:49 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: tmccullo@suffolk.lib.ny.us
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61479] Re: My 6M ignorance
Message-ID: <38910FFD.5B2CAE2@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Tom wrote:

> Nowadays cable is about 99.9% the norm, but I'm still looking over my
> shoulder when I even think about 6. I'm pleasantly surprised at the large
> response to the 6 meter post, can you guys tell me if I can get off the
> therapist's couch or are my TVI fears still justifiable.

Tom, unless you have a neighbor with rabbit ears who spends her daylight hours watching Channel 2, you should be okay, especially at QRP power levels. Go for it.

Even back in the 60's I never had any TVI on 6 meter AM when running 5 watts or so. At the 100 watt level I had some occasional TVI but twinlead stub filtering wiped it out. Will admit I had once report from a mile away.

Today I run 12 watts PEP on 6 and have never heard a peep from anyone. Believe most of my neighbors have cable. But then, I don't hear a peep from the neighbors either when I run KW on ten meters either.

73 de Dave, N0IT

Date: Thu, 27 Jan 2000 19:46:04 -0800

From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [61480] FOX:Cross Country Hunt.
Message-ID: <389110FC.4EE8C22A@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks Nick! I wasn't going to miss this one. The camouflaged tail made it tough. But I got tougher, I connected the ends of the 80 Meter dipole and turned it into a 40 meter folded dipole.

And scored! Thanks for the fun.
72/Ed we6w

--
72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Thu, 27 Jan 2000 22:44:22 -0500
From: "K3GM" <k3gm@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61481] OT: Record sound on PC
Message-ID: <00dc01bf6941\$f7675bc0\$246e0c18@adubn1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Dieter,
I use MusicMatch Jukebox to record wav's and mp3's. The software is free but limits recording quality for mp3 files to "near CD" quality. You can also convert mp3's to wav's and vice-versa. Here's the URL >>>
<http://www.musicmatch.com/>
I hope you realize that if you plan to record a wav file at the highest quality, you'll consume close to 1 gig of disk space! If you plan to use the file only on your PC, you might want consider making it an mp3 file

instead. www.mp3.com has a nice primer on mp3's if you're unfamiliar with the format.

Tom K3GM

> Hi Folks,
>
> HELP! This is my first OT:
> I'm lookinking for software to convert a 90 minute cassette tape to WAV
file
> format on my PC. All software I've found can only record 60 seconds.
> I have a standard 16 bit sound card and can record 60 seconfs FB, but
where
> can I find software that will let me record 90 minutes to a WAV file?
>
> 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> Loveland, Ohio - near Cincinnati; 39.218N - 84.305W
> FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
> <http://w3.one.net/~gentzow/wb8qyy.htm>
>
>

Date: Thu, 27 Jan 2000 15:18:42 -0000
From: "Walt Amos" <k8cv@netzero.net>
To: "Qrp-l Posts" <qrp-l@lehigh.edu>
Subject: [61482] oh oh, cat is out of the bag!
Message-ID: <000301bf6944\$f90f8620\$87e25aa6@waltk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There it is! THE TRUTH is out !! There is NO secret RF gain in any antenna !
What, this can't be TRUE ah, but it is, gain in one
direction is loss in another! Simplicity is the KEY to portable operation
and Michael has hit the nail on the head! Read it a weep, you have been
carrying that tuner for NOTHING! Now read again, below, the proper portable
antenna just in time before you carry that thing again! :-)

FYBO is coming!

Walt K8CV Royal Oak, Michigan K-2, original knob and I sneak out to the
shack late at night and worry about the PA option!

----- Original Message -----

From: "Morrow, Michael A." <mamorrow@tva.gov>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, January 27, 2000 05:59

Subject: Re: Small Transportable Antenna

>

> On Wed, 26 Jan 2000 16:51:20 EST EHolt12334@aol.com writes:

>

> > I am not going to have much room so I thought I would just take along

> > my SW-20 rig with a MFJ 16010 Tuner and key. To keep the size of the

> > antenna down, I have opted for a random wire. I have run this set up

> before,

> > 85 feet wire with 17feet of counterpoise ...

>

> Bill,

>

> Excuse me if I'm missing part of the picture, but if you're only going to

> operate on 20 meters, wouldn't a simple coax-fed 33 foot dipole be your
best

> bet. Feed it with light RG-58, skip the balun, and you should be able to

> fit it in to less space, stowed OR extended, than what you propose. It'll

> be resonant, and you might be able to ditch the tuner, small though that
is.

> Who cares if the SWR is 2 or so.

>

> I've experimented with every kind of wire antenna imaginable for

> portable/camping/backpack use over the last 22 years, and I'm convinced
that

> nothing works as well as a resonant dipole, with or without balun. I

> currently use a balun-less 42 foot dipole with jumper-able PVC-pipe

> insulator spacers at the proper intervals to cover every ham band between
10

> to 30 meters when operating portable. I also have "stingers" I can attach

> if space allows for 40m operation. Works great. When it is rolled up it

> will fit into a pocket, except for the coax.

>

> 73, Mike / KK5F

>

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Date: Fri, 28 Jan 2000 04:41:03 -0000
From: "Carlos J. Caro" <cjcaro@nail.com>
To: <mel@euramcom.freeseerve.co.uk>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [61483] Re: St. Max
Message-ID: <000801bf6949\$e2b97fc0\$46d396d8@default>

Mel,

If I may expand a bit.

Maximilian Kolbe was born in Poland in 1894. After returning to Poland from a missionary assignment as a Franciscan Priest he became a ham as SP3RN. In Auschwitz concentration camp (July 1941) the Germans selected 10 men to starve to death as punishment for the escape of another prisoner. Father Kolbe volunteered to die in place of Franciszek Gajowniczek, a prisoner who had a wife and children. Gajowniczek died Mar 13, 1995 at home near Warsaw. In 1982, Fr Kolbe, SP3RN was canonized a saint by the Roman Catholic Church. Radio Amateurs in Argentina consider him as the patron saint of radio amateurs.
(World Radio, June 1995)

Regards,

Carlos #1333

Date: Thu, 27 Jan 2000 23:07:17 -0500
From: "P. Michael Cloud" <pmcloud@ix.netcom.com>
To: <qrp-l@Lehigh.EDU>
Subject: [61484] cancel
Message-ID: <05a201bf6945\$2ba8b5c0\$9767fea9@gdavis21>

cancel

Date: Thu, 27 Jan 2000 21:19:23 -0800
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: <qrp-l@lehigh.edu>
Subject: [61485] Toroids in NorCal Toroid Kit
Message-ID: <001301bf694f\$3d96f760\$a97d68cf@DougHendricks>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok, here it is straight from the horse's mouth, as I am the guy who packed the kits.

The contents of the NorCal Toroid kit were:

25 T37-2 (small red ones)
25 T37-6 (small yellow ones)
25 FT37-43 (came with a label in the bag)
25 FT37-61 (came with a label in the bag)
10 T50-7 (white)
25 Ferrite Beads
1 T-130-2 (the big red one)

There you have it guys. Build and have fun. Is there any interest in another NorCal Cap kit? But this one would only be NPO's from 1 to 1000 pF, 28 different values, and there would be 25 of each value instead of 10. If you are interested send me email. The cost would be \$30 for 700 capacitors. The 1, 2.2 and 4.7 pF would be disc ceramics, and the rest would be mono caps, again, all NPO's. Let me know if you are interested and don't send any checks until I give the word.

72, Doug

Date: Thu, 27 Jan 2000 22:25:47 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: "Franco, Nicholas J" <franco@bnl.gov>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61486] Re: FOX Alert: Final Warning
Message-ID: <Pine.GS0.4.10.10001272222290.27285-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Nick,

Good job tonight. I didn't have much time. I had to grab a pelt and then get another handfull of books up to the post office before they close at 7 or 8pm.

Then it was dinner in town with Carol. So getting you early was pure pleasure! I stayed up about 1 kHz or more all the time. In a few minutes it paid off!

Didn't find any plugs to get the WBL's hooked up yet. Seems that they are all gone..... :-)

Oh well...such is life.....

Thanks for the fine pelt,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Fri, 28 Jan 2000 01:47:25 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [61487] Small Loop Antenna vs Efficiency
Message-ID: <200001280747.BAA26274@sunburst.usd.edu>

Hi all:

Interesting thread. I've been doing some looking around at small-loop articles. Just happen to have Kurt's article in Feb. 2K.

A close look at Kurt's statement will explain the apparent contradiction in the various posts.

Kurt says after having calculated in Radiation resistance of the sample loop as = 0.23-Ohms:

"The efficiency is the radiation resistance divided by the total input resistance or $0.23/50 = .0046$ or 46%. This means that if you put 100 watts into the loop you will get less than 1/2 watt out. QRP Lives"

Kurt is apparently using input resistance figures given in the article by W6QIF in Fall 1999 COMMUNICATIONS QUARTERLY. Apparently the input resistance of W6QIF's design was stated as 50-ohms. If that is true, then Kurt is right, plain and simple, i.e., 49.72 ohms is loss resistance

However, that must be a characteristic of the W6QIF design.

Other articles which emphasize "battleship low-loss" construction with copper tubing etc. usually cite an input resistance of well under 10-Ohms, which changes the whole efficiency picture greatly! For instance, if the resistance is total = 2.3 Ohms, then the efficiency = $0.23/2.3$, quite a difference story and a whole lot more power radiated!!!

Brice W9PNE wrote an excellent basic theory article on small transmitting loops in a back-issue of QRP Quarterly that I have mislaid -- I always do that with stuff that I am really interested in! Rats. His analysis coincides with Kurt's. If anyone needs the ref., I'll try to find that issue again! He provides a series of tables correlating various parameters such as dia. vs. freq., size of conductor, shape, etc. For the higher bands 20-10, surprisingly high efficiencies can be obtained because the "small loop" concept is easily achieved in practice. 160-30 are quite a different story tho!

An efficiency loop transmitting loop on 160, for example, requires a dia. = 51-ft!!! and circular shape. Try that sometime!

So, the bottom line is: for the high bands 20-10, efficient small loop antennas are within fairly easy reach, provided all the precautions are taken to eliminate loss.

72, Ade

Date: Fri, 28 Jan 2000 00:24:56 PST
From: "Leon Heller" <leon_heller@hotmail.com>
To: kd1jv@moose.ncia.net, qrp-1@Lehigh.EDU
Subject: [61488] Re: HB audio freq DDS
Message-ID: <20000128082456.12664.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Hi Gang,
>
>I built an audio frequency DDS out of a Atmel AVR cpu and 8 bit DAC.
>Turns out it wasn't all that hard to do, and was quite gratifying
>when it started to produce a sine wave!
>
[deleted]

I'm playing about with Xilinx SpartanXL FPGAs at home, and it would be quite easy to put a DDS into one of those. Xilinx even has an app.note on it. The smallest device (XCS05XL) costs about \$10, plus about \$3 for the configuration PROM. The look-up table could go into the FPGA RAM. I've designed a simple PCB for these devices, if anyone is interested. The starter kit includes development software , a JTAG programming cable and a CPLD evaluation board and costs about \$100.

73, Leon

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Date: Thu, 27 Jan 2000 22:51:57 -1000
From: Corky Kirk <w6ors@juno.com>
To: OKaturner13@mindspring.com
Cc: qrp-l@lehigh.edu
Subject: [61489] Re: Comfortable headphones ?
Message-ID: <20000127.232155.-852225.2.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

1-28-00 2217HST

Dear OM,

Just received my purchase of a Warren Gregoire Model TR-2000 headset (see Nov 99 QST page 157 phone 800-634-0094).

Have been looking at these for quite a while, and also the Heil headset. When I saw that Mr. Gregoire had reduced his price \$20 on the assembled unit, I bit the bullet and called my order in. Yesterday as NC of the Hawaii Afternoon Net (7088kc @ 0200Z) I received MANY accolades about the modulation...enuf to make the purchase worthwhile!

Had the factory install the connector kit for my TS-940S, plus shipping/handling and it all came to \$84.95. The ear cups fit over my medium sized ears OK and they don't hurt my ears (since I wear glasses)

73 es CUL de

Corky W6ORS
Hilo HI

.
On Thu, 27 Jan 2000 09:24:55 -0500 "Alex" <aturner13@mindspring.com> writes:

> Can someone recommend some comfortable headphones. I'm looking for
> the full
> coverage type and I've tried several but the ear cups are just too
> small.(They fit on the ear rather than the ear being in the cup.I

> don't
> think my ears are really big either). I haven't found a lot of info
> on
> headsets so if someone can point me in the right direction or offer
> a
> personal endorsement I would appreciate it.
>
> Thanks
> Alex,N4BYJ
>

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 28 Jan 2000 06:09:37 -0500
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61490] New way to catch the Fox
Message-ID: <200001281108.GAA118562@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Howdy Fox Nabbers,

Last night I accidentally found a new way to catch the Fox.
About 5 minutes before Nick came on, I made sure that
I had the ole fox nabbin' antenna on the rig and tuned.
OK..All set, RIT on and about 500 Hz up. Bring it on Nick.

Zero hour, there is the Fox. Wow! What a pack of hounds.
I threw my call in with the rest. He is pretty loud here and
should be able to catch him right off, no problem. I tried
sending my call every time he was calling for the hounds
but could not hit him. I did this for 1 hour and 2 minutes.
My eyes happened to fall on the external VFO for the
Omni C that I was using as I had used it to work FH land
about 30 minutes before the Fox hunt. Yep, it was still
on split and I had been transmitting at around 7.023...
The next call after turning it to the rig, Nick called me.

My theory is that when you operate this way, your call just
keeps building up and when you do turn back, your first

call just sprays the immediate frequency with multiple calls. You know, the ones you sent but did not go anywhere. Give it a try. It seemed to do the trick for me. Course, there are some that will say this is not legal in a Fox hunt. Oh well, that's the way it is I guess. See you on the bands.

72...Dan, N4ROA

Date: Fri, 28 Jan 2000 04:22:46 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-1@lehigh.edu
Subject: [61491] Re: Comfortable headphones ?
Message-ID: <20000128042246.C18107@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Here's a slight variation on the subject. As a result of the aging process, I will soon be wearing a "behind the ear" type digital hearing aid (one ear only.) Does anyone have a suggestion for suitable headphones for use with these?

Bob

--
Bob Nielsen, N7XY (ex-W6SWE) (RN2) nielsen@primenet.com
Tucson, AZ DM42nh QRP-L #1985 http://www.primenet.com/~nielsen

Date: Fri, 28 Jan 2000 05:57:28 -0600
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'AC6JA@aol.com'" <AC6JA@aol.com>
Cc: "'elecrafft@qth.net'" <elecrafft@qth.net>, "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [61492] K2 / TT 1210
Message-ID: <54F85D7F6DE2D01184EF0000F804953502729FAB@MAIL04>
MIME-Version: 1.0
Content-Type: text/plain

Hi Mike.

I have the 1210 transverter and it is what I use when I want to do 2m SSB or CW in the shack. It is a fun kit and should be a good match with the K2. I currently have my 1210 hooked up to my QRO rig

(IC756) and have an RF concepts 2m amp / preamp at the other end. Using the K2 would have the distinct advantage of not having to remember to turn down the power (as is sometimes needed with the Icom). The TT 1210 requires that you turn the power out from your rig down to 20 W or less (4 - 20W range, ALC controlled).

73 (es 72) de N9WR, Don C. Faith

Date: Fri, 28 Jan 2000 07:14:57 EST
From: NA1XX@aol.com
To: qrp-1@lehigh.edu
Subject: [61493] Prayer to St. Max, Patron of Ham Radio Ops
Message-ID: <ab.7242ad.25c2e241@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Friends,
The recent post concerning St. Maximilian Kolbe, SP3RN, got my theological juices flowing this morning, and herewith I offer my prayer to the patron saint of hams:

O holy Saint Maximilian Kolbe,
you followed the words of the gospel,
"Greater love than this no man has,
that he lay down his life for his friends,"
and so suffered the death of a martyr.
Yet you also knew the joys and challenges
of amateur radio communications as SP3RN.
Grant we beseech thee that
our rigs may never break down,
our antennas may always stay up,
our code fingers may always be nimble,
and especially that we may always have the wisdom
to use our amateur radio skills in the service of others
to foster the cause of friendship and comraderie across the world.
Amen.

Date: Fri, 28 Jan 2000 07:27:47 EST
From: Charles R Greene <cgreene7@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [61494] Kenwood AT-250
Message-ID: <20000128.072854.-295029.1.cgreene7@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have a friend who has an ICOM 735 and he recently got a Kenwood automatic antenna tuner, AT-250. He wants to know if the AT-250 will work with the 735, and if so, does anyone know what the pin out on the 8 pin DIN on the AT-250 is? Where can he get a manual? Reply privately please.

Charles Greene
Amateur Call W1CG
Bristol, RI

Date: Fri, 28 Jan 2000 07:27:12 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k8cv@netzero.net
Cc: qrp-1@lehigh.edu
Subject: [61495] Re: oh oh, cat is out of the bag!
Message-ID: <38918B20.19B8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Walt,

YOU ARE WRONG.

Yes, it is true that gain in one direction from an antenna is 'loss' in some other direction, BUT a tuner does not have any effect on the directivity of an antenna's pattern.

A tuner matches the impedance of the final amplifier to that of the coax or other feedline. It can save you finals and allow you to make contacts when all else fails!

73

Date: Fri, 28 Jan 2000 07:39:36 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [61496] Defacto 6 M DX Alert Freqs
Message-ID: <20000128.074119.-196493.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

SIX is magic,
SIX will skip and duct too,
when it's hot it's HOT! When it's NOT . . .

When is SIX hot?
Defacto 6 M DX Alert Freqs;
28.885 and 28.495 MHz
(NOT A TYPO, that is twenty-eight MHz),
re: WORLDRADIO, OCT 97, pg. 34.

Antenna for SIX?
That one element plumbers delight, half inch, thin wall conduit
(rotatable dipole, with NO loading coils),
works like gang busters.
I have a SIX and TEN "delight" on a single mast, two booms, small, light,
easy, works GOOD too! Next trip to the bone yard (shed), I will copy
then post the dimensions to the list.

John
N3AAZ
FM19xa

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 28 Jan 2000 08:47:38 -0500
From: Frank Alwine <n1gpy@together.net>
To: qrp-1@Lehigh.EDU
Subject: [61497] Re: My 6M ignorance
Message-ID: <38919DFA.57DB986@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Nowadays cable is about 99.9% the norm, but I'm still looking over my
> shoulder when I even think about 6. I'm pleasantly surprised at the large
> response to the 6 meter post, can you guys tell me if I can get off the
> therapist's couch or are my TVI fears still justifiable.

At QRP levels, TVI shouldn't be a concern on 6M. I run up to 150W on 6M with no problems at my QTH. These days, I believe a bigger concern than TVI on 6 is interference to/from all those cheap 49MHz cordless devices out there - phones, baby monitors, etc. A bunch of my neighbors have 49MHz cordless phones (I know, because I can hear their birdies and spurs all over 6M when they're on) and I haven't received any complaints yet, at the 150W level. We also have one of these cheap cordless phones, and I *do* interfere with it, even at low power levels. I'm going to replace it with a 900MHz phone & eliminate that problem...

72/73, de Frank KT1VT FN34 in Vermont

Date: Fri, 28 Jan 2000 08:56:54 EST
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [61498] Changing Email address
Message-ID: <40.d2ad13.25c2fa26@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To all,

I am soon to change my email address how can I change it without losing my QRP-L number? Thanks in advance.

72
Steve
N4TKP
QRP-L #1763

Date: Fri, 28 Jan 2000 07:03:20 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61499] Re: WE6W Resonant Speaker Project.
Message-ID: <3891A1A7.4A5370F9@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed

Do you have trouble with clarity caused by ringing when listening to

high speed code?

Bruce kk7zz

Ed Loranger wrote:

> Hi Folks, I fogot to copy the list with my
> response to bruce.
>
> Here is is now:
>
> Bruce asked:
> >Do you have any idea what the Q of your resonant speaker?
>
> >Bruce kk7zz
>
> It has a 60 hz bandwidth at 6 dB down.
> 3 dB B/W is about 42 Hz.
>
> So I think that is 11 or so at 700 Hz.
>
> -Ed
> --
> -72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
> <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Fri, 28 Jan 2000 08:14:33 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61500] Re: Small Loop Antenna vs Efficiency
Message-ID: <004d01bf699a\$00ea5320\$9e2ab4d0@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Ade Weiss W0RSP" <aweiss@usd.edu>
>
> Interesting thread. I've been doing some looking around
> at small-loop articles. Just happen to have Kurt's article
in
> Feb. 2K.

>
> A close look at Kurt's statement will explain the apparent
> contradiction in the various posts.
>
> Kurt says after having calculated in Radiation resistance
> of the sample loop as = 0.23-Ohms:
>
> "The efficiency is the radiation resistance divided by the
> total input resistance or $0.23/50 = .0046$ or 46%. This
> means that if you put 100 watts into the loop you will get
> less than 1/2 watt out. QRP Lives"
>

I also read Kurt N. Sterba's column and was surprised by his assertion. Apparently, he assumes you would connect your transmitter to the antenna with no matching whatsoever. If you did that, his calculations would be approximately correct. (His assumption that a transmitter designed for 50 ohm loads has a 50 ohm internal resistance is subject to debate.) But anyway, if you use a matching network, the transmitter would "see" 50 ohms. The efficiency would then be 50%.

Of course, matching networks themselves sometimes have high losses. But Kurt apparently doesn't even acknowledge that they (matching networks) exist.

72,

Nick, WA5BDU
in Arkansas ... where beautiful snow covers the ground ...
at last!

Date: Fri, 28 Jan 2000 06:21:48 -0800 (PST)
From: Jim Apple <wb1dog@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [61501] Attic tower and lighting protection/grounding
Message-ID: <20000128142148.22209.qmail@web3206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'm going to give the "Attic Tower" from QST a try. I plan to run two 2" wide copper straps down from the top of the tower above the roof. I will also attach a

flexible strap from the mast to the top of the tower and in turn the copper straps. These straps will go to the ground, (one to the front of the house and one to the back) then connect to a ground system that surrounds half of the house (about 8 rods, 60 ft of copper connecting them, tied into the power ground).

Coax will be run outside to a entrance/ground panel that other antenna's use. A coax polyphaser or ICE arrestor will be installed on the ground panel. The rotor cable will run inside the attic, drop outside through the soffit and be connected to a ICE arrestor on the entrance panel.

How's this sound ? Any major problems ?

I'm also wondering if I should also ground the base of the tower inside the attic and run the ground along side the rotor cable to the entrance panel and ground system ? Would this be a dangerous second path ? or a extra level of safety.

Thanks in Advance for any help/ideas/comments.

73's
- Jim

=====

- Jim Apple (WB1DOG)

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Fri, 28 Jan 2000 11:21:41 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: joebarb@wilmington.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61502] Re: Comfortable headphones ?
Message-ID: <38917BC5.54A8@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Joseph Trombino Jr wrote:

>

> At 09:24 AM 1/27/00 -0500, you wrote:

> >Can someone recommend some comfortable headphones. I'm looking for the full

>

> Hello Alex: I would highly recommend the Kenwood model HS-5 headset. This
> is a dual headset type, 8 ohm, that is very sensitive. The earphone covers
> are flat and soft and cover the entire ear very comfortably. I have

Hi,

I have a pair of Kenwood HS-5's and they're awful, because they press hard on my ears. I'd say my head is average size. The pressure exerted by the 'phones is just too great and it cannot be adjusted.

I also have a pair of Kenwood HS-6's (the small ones) and they are better, but they don't cover the ears and in the long run they're not comfortable, either.

I would recommend buying good aviation quality headphones. They have a closed structure, cover the ears and attenuate noise from the environment by 20 dB or more. Pilots wear 'phones for long periods, have sunglasses and so their 'phones need to be very comfortable. There are also models without microphone (boom).

Brands are David Clark(e), Peltor Aviation and others. The David Clark(e)'s are the most expensive. I use a pair of Peltor 7050's (without microphone) with the optional cotton covers over the 'earpieces'. I bought them by mailorder from a US business called Marv Golden (<http://www.marvgolden.com/>), which BTW is a little odd, because Peltor is made in Sweden (western neighbour of Finland).

73,

--

Arjen Raateland

AX.25: 0H2ZAZ@0H2RBI.FIN.EU

Date: Fri, 28 Jan 2000 09:44:59 -0500

From: "Tom Hybiske" <hybiske@generalatronics.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [61503] Re: Comfortable headphones ?

Message-ID: <042701bf699e\$407f5860\$7368f326@GACNT>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Is anyone on the list old enough to remember the original Koss Hi-Fi headphones from late 60's? They had the liquid filled ear muffs which shut out the "outside" world. David Clark cans use an updated version of this type of muff. Sometimes I can't even hear the XYL yelling at me! :-) The transducers used are also exceptional. You can wear them for hours even with eyeglasses without fatigue. Highly recommended including the boom mike attachment.

Tom K3GM

> I have a pair of Kenwood HS-5's and they're awful, because they press
> hard on my ears. I'd say my head is average size. The pressure exerted
> by the 'phones is just too great and it cannot be adjusted.
>
> I also have a pair of Kenwood HS-6's (the small ones) and they are
> better, but they don't cover the ears and in the long run they're not
> comfortable, either.
>
> I would recommend buying good aviation quality headphones. They have a
> closed structure, cover the ears and attenuate noise from the
> environment by 20 dB or more. Pilots wear 'phones for long periods, have
> sunglasses and so their 'phones need to be very comfortable. There are
> also models without microphone (boom).
>
> Brands are David Clark(e), Peltor Aviation and others. The David
> Clark(e)'s are the most expensive. I use a pair of Peltor 7050's
> (without microphone) with the optional cotton covers over the
> 'earpieces'. I bought them by mailorder from a US business called Marv
> Golden (<http://www.marvgolden.com/>), which BTW is a little odd, because
> Peltor is made in Sweden (western neighbour of Finland).
>
> 73,
> --
> Arjen Raateland
>
> AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Fri, 28 Jan 2000 09:49:39 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61504] FOX Log - First Draft Approach
Message-ID: <698DB793D712D31180B600902746422D50BBA5@exchange01.bnl.gov>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Wow! I mean WOW! That was some experience.

I want to thank you all for your patience and persistence in last night's hunt. I did what I set out to do ... I had fun. I spent a little extra time listening for some calls. I wasn't in a rush to fill up the log. I really wanted to have a laid back social FoxHunt. I started out working Tom - N1TP and ended up looking over my log sheets with headphones still on and heard Tom - N1TP call some K5 station after the hunt - big signal from FL. That's when I realized I was in shock from the hunt and ripped the phones off and worked on the log :-)

The first hour was totally awesome. There were tons of signals in varying volumes from all over the place. I had the laptop setup with all the memory settings I thought I would need for the night. That turned to poop after the first QSO with Tom - N1TP. The memory settings were picture perfect and had too much code in each one. Hounds were calling before the memory CW finished and threw me off from the start. I switch over to a completely manual approach and stayed that way all night. Just me, my MFJ iambic paddles, MFJ keyer, paper and pencil. Not the best conditions for a contest or event, but I'm not a contester, so this was new for me.

I felt real bad for some of you who I could hear in volume but just couldn't make out the full call from QRM and other such stuff. I intended on listening up to 2kHz away - the spread really helps, however, when there's SSB QRM pounding in and splashing across 5kHz of bandwidth, it narrows you down a little. I wound up listening only 500 Hz up most of the time. I opened the filter some and could make the signals lower in pitch better than the ones right on my listening freq. Who could figure? I listened below the TX freq but that was not too useful. Very few of you went there and there was a QRO CW QSO taking place below us most of the night.

The second hour was a bust and very frustrating for me. I had a real hard time copying the calls. I could hear plenty of hounds out there all night long though. Thanks for your diligence. I worked a few phantom hounds. I thought I copied the call right and sent all the information and then - nothing. I would then call that stn over and over again and still nothing. I didn't want to move on too fast and leave a possible brother qrxpr hanging - he may just be bogged down for a minute. But then I would have to move on and there would be another 3 minute or so lapse in the contacts (Oh Well - I tried).

Overall a great night. Condx were great as far as hearing hounds all night long. It was very interesting to listen to the propagation change dynamically throughout the 2 hours. I would hear pockets of areas come in

and fade out the whole time - really cool. I wish I could have worked you all, but I just could keep going with all those holes in my hide and freezing wind howling through my body. You guys are a great bunch hunters.

Thank you for a fun night and all the contacts. I know some of the log entries will not count. I had a few partial callsigns on the paper that I didn't list on the log (of course). Please send me any corrections and I'll get the official log out ASAP.

72 es Have a great day,

Nick - kf2ph . . (KFox2PHox - Dead Fox)

FOXHUNT LOG FOR KF2PH - 01/28/00 0200-0400 UTC

1	0202	N1TP	559	FL	TOM	1317	
2	0203	N0EA	559	MO	WAYNE	1058	
3	0204	K0EVZ	579	ND	DOC	861	
4	0206	WD8KQY	579	OH	GARY	446	
5	0207	N0DT	569	MO	DAN	1004	
6	0209	N1LN	579	TX	BRUCE	2049	
7	0210	KA1DDB	559	MI	MIKE	2064	
8	0211	N5TW	559	TX	TOM	1474	
9	0212	K8CV	579	MI	WALT	935	
10	0214	K1JD	569	RI	JOHN	1945	
11	0215	KU4AF	579	NC	JOHN	987	
12	0216	KU7Y	559	NV	RON	17	
13	0217	W0RSP	559	SD	ADE	661	
14	0218	WS4S	559	TN	CONRAD	993	
15	0219	VE1MT	579	NS	LAYTON	1448	
16	0220	W5SB	559	TX	BILL	1289	
17	0222	W0CH	559	MO	DAVE	618	
18	0224	K5LN	559	TX	BILL	1794	
19	0225	AB8DF	579	MI	ED	1444	
20	0227	AF4PS	569	FL	MAC	704	
21	0228	AB5UA	579	OK	CLIF	478	
22	0230	N0EHW	559	MO	TIM	2047	
23	0231	N0AR	579	MN	SCOTT	1455	
24	0232	K0PC	569	MN	PAT	1964	
25	0234	W0RW	559	CO	PAUL	1284	
26	0235	KB9IUA	589	IL	KEVIN	384	
27	0236	K10J	559	TX	OJ	732	
28	0237	NV4V	589	KY	PETE	721	
29	0239	K5ZTY	579	TX	BILL	473	
30	0240	NQ7X	559	AZ	FLOYD	343	
31	0241	N5LU	569	OK	BILL	2009	

32	0242 K5AAR	569	OK	DON	1512	
33	0245 N8IE 559	OH	DAN	1404		
34	0247 N9AW 579	WI	JERRY	1271		
35	0248 WB9RCR	579	MI	JOHN	1446	
36	0249 W2UX 569	SC	GARY	593		
37	0251 K1MG 559	CA	MIKE	614		
38	0253 K7RE 579	AZ	BRIAN	404		
39	0254 N9QIL	579	IN	KEN	1416	
40	0256 VE5RC	339	SK	BRUCE	886	
41	0258 W2XR 579	FL	FRED	1728		
42	0259 AJ4Y 569	FL	PAUL	1795		
43	0300 AF5Z 569	TX	BOB	984		
44	0302 AE1Y 559	MA?				* NEED HELP ON THIS
ONE						
45	0303 W0JOE	449	CO	JOE	1901	
46	0304 N4ROA	579	VA	DAN	970	
47	0306 K50T 569	TX	LARRY	5W	**	NO QRP-L NR
48	0308 VE6EWM	559	AB	EARL	1076	
49	0311 KK5LD	449	TX	DAN	2052	
50	0312 AA1GZ	559	MA	JIM	1238	
51	0314 N5IW 559	TX	DAVE	1718		
52	0316 AB7CE	449	MT	ROY	1494	
53	0319 AF4PP	559	GA	CHUCK	785	
54	0320 AF4LQ	559	KY	MIKE	1385	
55	0321 KI7MN	559	AZ	BOB	271	
56	0322 W5TFB	579	TX	JACK	282	
57	0326 KI1II	569	CO	RON	928	
58	0331 W1XT 579	AZ	BOB	262		
59	0334 AE2T 559	NY	AL	1664		
60	0336 WE6W 449	CA	ED	1068		
61	0338 NY3M 559	MD	BILL	1899		
62	0341 K50I 559	MN	TIM	73		
63	0343 W5HNS	559	TX	HENRY	178	
64	0346 W0DC 449	MN	JOHN	1945		
65	0349 KQ5U 569	TX	TERRY	1603		
66	0352 NK6A 339	CA	CON	1517		
67	0355 W5YR 559	TX	GEORGE	1373		
68	0359 KC1FB	559	CT	JIM	29	

THAT'S ALL FOLKS!

Nicholas J. Franco	<>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator	Collider-Accelerator Department
Tel: (516) 344-5467	UPTON, NY 11973-5000
Fax: (516) 344-2833	Ham Call: KF2PH
<mailto:nickf@bnl.gov>	<http://www.rhichome.bnl.gov/People/franco>

Date: Fri, 28 Jan 2000 09:50:36 EST
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [61505] ARRL Appointment
Message-ID: <c1.b7a43c.25c306bc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Gang;

Well it is official... I am now the Vice Director for the Roanoke Division of the ARRL. As a long time QRPer I might have some input on items relating to our aspect of the hobby. I know many of you are interested in some changes to the DXCC program as it relates to QRP. I have been section manager here in South Carolina for a few years and it is a great platform to talk to people about QRP.

72 Les Shattuck K4NK

Date: Fri, 28 Jan 2000 09:51:25 -0500
From: "Tom Hybiske" <hybiske@generalatronics.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61506] 6M antenna cross polarization question
Message-ID: <043201bf699f\$267b6200\$7368f326@GACNT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you're looking to work 6 using CW and SSB. Do you have to be concerned about attenuation from cross polarization? i.e. working a station using a yagi while you're using a vertical. This is very critical at 2 meters and up.

Tom K3GM in FM29lw

> Antenna for SIX?
> That one element plumbers delight, half inch, thin wall conduit
> (rotatable dipole, with NO loading coils),
> works like gang busters.
> I have a SIX and TEN "delight" on a single mast, two booms, small, light,
> easy, works GOOD too! Next trip to the bone yard (shed), I will copy

> then post the dimensions to the list.
>
> John
> N3AAZ
> FM19xa
>

Date: Fri, 28 Jan 2000 10:19:34 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [61507] HW-7 Response summary
Message-ID: <v03110703b4b7543a1380@[132.235.81.58]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

Thanks to all of you (W0AV, W6TOY, WB8YYY, K2UD, WA5WHN) for the responses concerning my HW-7/mods request! GREAT bunch!

I've looked up the QST references and will probably try some of them WITHOUT drilling any holes or making any physical changes to the original configuration that can't be restored. ("New Front End for Heath HW-7", by Jerry P. Wine, KH6HKZ, December 1973, page 23 / "HW-7 QRP Transceiver Modifications", by Doug DeMaw, W1CER, January, 1974, page 35)

The preselector is REALLY sensitive to position! As K2UD suggested, look and adjust very carefully for the sweetspot. He was right, it is there and helps the sensitivity a bunch.

Microphonics are just the nature of the brute, so I won't worry about that much.

Once again, thanks and 73 to all,

NS80

Date: Fri, 28 Jan 2000 15:22:21 +0000
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [61508] Antenna Polarization on VHF in General and other observations

Message-ID: <20000128.152222.-160367.2.wb2vuo@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

With the question of polarization on 6 Meters, let me make this general observation, based on 3+ decades of VHF/UHF/Microwave work:

FM is Vertically polarized

SSB/CW & AM are Horizontally polarized

If you use the other polarization, you lose alot of signal (20 dB or so)

Vertical antennas pick up scaanner and cordless phone noise far louder than Horizontal antenna do.

VHF+'ers consider SSB & CW to be "weak signal" work, and they DO hear QRP signals just fine!

A 5 x 0 report is legit

So, put your SSB or CW antennae up high and horizontally polarized! Know your grid square as you WILL be asked for it! (You can get it off Buckmaster or QRZ, Zip Code-based, but close enough for most awards...)

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
VP & FD'00 Chairman, Brockport Amateur Radio Klub
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 28 Jan 2000 09:31:15 -0600

From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>

To: qrp-l@Lehigh.EDU

Subject: [61509] FOX: report

Message-ID: <3891B642.2D24403B@arrl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Nick was a loud 589 in northern Illinois last night. The hounds together "pinned" my digital S-meter. Too fast and aggressive a fray for me, so I just listened.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.netcom.com/~fuffle/>

Date: Fri, 28 Jan 2000 09:15:21 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Ed Loranger <we6w@netzero.net>, qrp-1@Lehigh.EDU
Subject: [61510] Re: WE6W Resonant Speaker Project.
Message-ID: <3891C098.AB85E496@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed

This is very interesting. Is your device a ported enclosure designed with a very high Q, or are you symmetrically loading the speaker (sealed box behind the speaker and a ported enclosure in front of it)? The first method would give a fourth order low pass filter function, and the second would yield a fourth order bandpass. It seems that either method could be made to work. Obviously, the method you are using is working quite well. A Q of 11 for a speaker system is amazing. It would play lousy music, but in your application it seems like a great approach. Keep me posted. I have designed quite a few speaker systems (one of my other hobbies), but yours has to be one of the most novel approaches I have ever seen.

Bruce kk7zz

Ed Loranger wrote:

> I don't think so. If there was, you just tune RIT slightly off
> of the peak of the filter and the effect diminishes.
>
> -Ed
>

Date: Fri, 28 Jan 2000 10:20:53 -0600
From: Dick Carroll <dixie@townsqr.com>
To: cgreene7@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [61511] Re: Kenwood AT-250
Message-ID: <3891C1E5.6309705A@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Icom in Bellevue will sell any schematic for a couple dollars. Just don't price the entire manual unless you're sitting down.

73, Dick W0EX

Charles R Greene wrote:

>
> I have a friend who has an ICOM 735 and he recently
> got a Kenwood automatic antenna tuner, AT-250.
> He wants to know if the AT-250 will work with the
> 735, and if so, does anyone know what the pin out
> on the 8 pin DIN on the AT-250 is? Where can he get
> a manual? Reply privately please.
>
> Charles Greene
> Amateur Call W1CG
> Bristol, RI

Date: Fri, 28 Jan 2000 11:46:25 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61512] FOX: Team Log access problem
Message-ID: <698DB793D712D31180B600902746422D50BBC1@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Bruce,

sorry to take up the list space for this. I am trying to email Bruce the log from last night's FoxHunt and am getting a communication error on his address. The mail is bouncing.

Bruce if you can read mail from qrp-l please send me something privately so I can get the log to you somehow. I get the following:

Your message did not reach some or all of the intended recipients.

Subject: Fox Log for 1/28/00 UTC - kf2ph
Sent: 1/28/00 11:43 AM

The following recipient(s) could not be reached:

'Bcieslak@ra.rockwell.com' on 1/28/00 11:43 AM
Unable to deliver the message due to a communications failure
The MTS-ID of the original message is: c=US;a=
;p=BNL;l=EXCHANGE01-000128164235Z-29149

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2PH
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

Date: Fri, 28 Jan 2000 11:53:06 EST
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [61513] RE: Changing Email
Message-ID: <a3.180b801.25c32372@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks to everyone who responded. I have my answer.
Thanks for the bandwidth.

72
Steve
N4TKP
QRP-L 1763

Date: Fri, 28 Jan 2000 09:09:39 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: wb8yyy@yahoo.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61514] Re: My 6M ignorance
Message-ID: <20000128170939.26350.qmail@web305.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Curt Milton <wb8yyy@yahoo.com> wrote:
snip

> Adding 6m capability to a QRP shack I view as a good
> thing, either homebrew or kit
snip

Are there any kit recommendations?
tnx
Jim kt4a

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Fri, 28 Jan 2000 11:40:35 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [61515] Re: FOX Log - First Draft Approach
Message-ID: <3891D493.B1EFA9E2@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As I remarked to Tom last night, it sounded like a regular DX pile-up from here, complete with all the usual bad manners. At the very least, folks, it doesn't do you much good to call when the fox (or DX op) hasn't finished sending. How is he going to hear you? All you do is cover up whatever he's trying to get across.

The SSB QRM was bad in the second hour, as Nick says. My bandpass or filter skirts must be different though, as I never noticed the QRO CW contact. I was using the TS-450S because it has RIT/XIT. Suppose I should do that mod on my HW8 but it has always worked so well I'm reluctant to mess with it.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>

KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.netcom.com/~fuffle/>

Date: Fri, 28 Jan 2000 12:43:34 -0500
From: Caitlyn Martin <caitlyn@netferrets.net>
To: qrp-l@lehigh.edu
Subject: [61516] Re: 6m QRP
Message-ID: <3891D546.33954653@netferrets.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard Sherman wrote:

> I agree that a beam helps a lot on 6m. But when I first got on 6m the only
> antenna I used was my 40m dipole thru an old MFJ tuner.

One thing people also overlook is that the third harmonic of a 17m is at the top of the 6m band. I knew someone who started on six when he got an IC-729 and suddenly had access to a band he previously had no interest in, albeit at 10 watts. He had a Cushcraft vertical that was resonant on 17, and found it worked quite well on six. He was hooked, and a better 6m station soon followed.

Another way to look at it. 6 is to 17 as 15 is to 40.

73,
Caity
KU4QD

Date: Fri, 28 Jan 2000 12:48:32 -0500
From: Caitlyn Martin <caitlyn@netferrets.net>
To: qrp-l@lehigh.edu
Subject: [61517] Re: Best Six Meter DX In Decades?????
Message-ID: <3891D670.3F029B0A@netferrets.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

> >The article claims DX activity on six meters has heated up
> >to "near-record levels."
>
> >Am I missing something here??????

IMHO, no. The last cycle was way better than this one. F2 has been virtually nonexistent this time around, and the openings to Europe that I expected to experience again have definitely been lacking.

73,
Caity
KU4QD
FM05

Date: Fri, 28 Jan 2000 13:04:41 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61518] FOX Log: Could be Final Log
Message-ID: <698DB793D712D31180B600902746422D50BBC8@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Gang,

I think my log is as good as I can get. I will keep the door open for any further corrections. I think I have to post the official log by tomorrow. Below is the latest Draft. I did mess up a couple of items.

A few points. I thought the group was pretty well behaved last night. I caused a little extra congestion because I couldn't copy well on the upper end with the SSB racket pounded my ears. Inadvertently, I wound up narrowing down the field considerably which caused you hounds to bunch up more than I originally was hoping for. Working offset and not directly on the freq for TX&RX was great. The only problem I had was with hounds shooting each other ;-). I would be trying to copy a call and before two characters were sent, another hound would send his call right on the other guy (zero beat on him). Then I couldn't hear either one. I would try a couple of times hoping for some separation, but then have to move on and miss them. Sometimes this happened with pretty strong sounding sigs and would have been sure pelts - Sorry.

There was one call at the end of the hunt that I just couldn't make out and I really wanted to give this person a pelt. I wound up extending an extra 30 secs. to a minute just on this one call, but couldn't pull it out. I started to ask for a repeat before the time ran out so I kept at it for a little while. I just couldn't hold the hunt open any more so I dropped the pursuit.

I was a pleasure to work Jim Fitton - KC1FB as my last call for the evening. NE-QRP was my first qrp club to belong to and I loved receiving "72" magazine and even wrote some articles for it in the past. Thanks Jim for the memorable contact. I hear him in there a couple of times but it took a while for him to get a bead on me.

Here's the latest copy of the log for your amusement. Thanks to all for a great time.

72,
Nick - kf2ph . .

FOXHUNT LOG FOR KF2PH - 01/28/00 0200-0400 UTC

1	0202	N1TP	559	FL	TOM	1317	
2	0203	N0EA	559	MO	WAYNE	1058	
3	0204	K0EVZ	579	ND	DOC	861	
4	0206	WD8KQY	579	OH	GARY	446	
5	0207	N0DT	569	MO	DAN	1004	
6	0209	N1LN	579	TX	BRUCE	2049	
7	0210	KA1DDB	559	MI	MIKE	2064	
8	0211	N5TW	559	TX	TOM	1474	
9	0212	K8CV	579	MI	WALT	935	
10	0214	K1JD	569	RI	JOHN	1945	
11	0215	KU4AF	579	NC	JOHN	987	
12	0216	KU7Y	559	NV	RON	17	
13	0217	W0RSP	559	SD	ADE	661	
14	0218	WS4S	559	TN	CONRAD	993	
15	0219	VE1MT	579	NS	LAYTON	1448	
16	0220	W5SB	559	TX	BILL	1289	
17	0222	W0CH	559	MO	DAVE	618	
18	0224	K5LN	559	TX	BILL	1794	
19	0225	AB8DF	579	MI	ED	1444	
20	0227	AF4PS	569	FL	MAC	704	
21	0228	AB5UA	579	OK	CLIF	478	
22	0230	N0EHW	559	MO	TIM	2047	
23	0231	N0AR	579	MN	SCOTT	1455	
24	0232	K0PC	569	MN	PAT	1964	
25	0234	W0RW	559	CO	PAUL	1284	
26	0235	KB9IUA	589	IL	KEVIN	384	
27	0236	K10J	559	TX	OJ	732	

28	0237 NV4V 589	KY	PETE	721	
29	0239 K5ZTY	579	TX	BILL	473
30	0240 NQ7X 559	AZ	FLOYD		343
31	0241 N5LU 569	OK	BILL	2009	
32	0242 K5AAR	569	OK	DON	1512
33	0245 N8IE 559	OH	DAN	1404	
34	0247 N9AW 579	WI	JERRY		1271
35	0248 WB9RCR	579	MI	JOHN	1446
36	0249 W2UX 569	SC	GARY	593	
37	0251 K1MG 559	CA	MIKE	614	
38	0253 K7RE 579	AZ	BRIAN		404
39	0254 N9QIL	579	IN	KEN	1416
40	0256 VE5RC	339	SK	BRUCE	886
41	0258 W2XR 579	FL	FRED	1728	
42	0259 AJ4Y 569	FL	PAUL	1795	
43	0300 AF5Z 569	TX	BOB	984	
44	0302 AE4Y 559	GA	KENT	844	
45	0303 W0JOE	449	CO	JOE	1901
46	0304 N4ROA	579	VA	DAN	970
47	0306 K50T 569	TX	LARRY	5W	** NO QRP-L NR
48	0308 VE6EWM	559	AB	EARL	1076
49	0311 KK5LD	449	TX	DAN	2052
50	0312 AA0ZZ	559	MN	CRAIG	1238
51	0314 K5JHP	559	TX	BILL	825
52	0314 N5IW 559	TX	DAVE	1718	
53	0316 AB7CE	449	MT	ROY	1494
54	0319 AF4PP	559	GA	CHUCK	785
55	0320 AF4LQ	559	KY	MIKE	1395
56	0321 KI7MN	559	AZ	BOB	271
57	0322 W5TFB	579	TX	JACK	282
58	0326 KI0II	569	CO	RON	928
59	0331 W1XT 579	AZ	BOB	262	
60	0334 AE2T 559	NY	AL	1664	
61	0336 WE6W 449	CA	ED	1068	
62	0338 NY3M 559	MD	BILL	1899	
63	0341 K50I 559	MN	TIM	73	
64	0343 W5HNS	559	TX	HENRY	178
65	0346 W0DC 449	MN	JOHN	1945	
66	0349 KQ5U 569	TX	TERRY	1603	
67	0352 NK6A 339	CA	DON	1517	
68	0355 W5YR 559	TX	GEORGE	1373	
69	0359 KC1FB	559	CT	JIM	29

THAT'S ALL FOLKS!

--
 Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY

Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2PH
<mailto:nickf@bnl.gov> <<http://www.rhichome.bnl.gov/People/franco>>

Date: Fri, 28 Jan 2000 10:23:34 -0800
From: Ed Loranger <we6w@qsl.net>
To: Bruce Kizerian <kizerian@ced.utah.edu>
Cc: Ed Loranger <we6w@netzero.net>, qrp-1@Lehigh.EDU
Subject: [61519] Re: WE6W Resonant Speaker Project.
Message-ID: <3891DEA6.C3CB4A47@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, Bruce, I'm sure we can chat more in private.
I've posted all this info to the list before and
most probably saved off a copy :)

It is really complicated. I'm busy making some
new changes so I'll wait until March to pass on
new information. The Proto-II version was demo'd
at the Dec. 1998 Norcal meeting. That was fairly
early in the development but still a great unit.

My machinist friend sent me some photos of his
copy and WOW, is it pretty.

Anyway, I just wanted to update those following
the project and let them know it is alive and
well. I believe mine is a 6th order bandpass with
specially tuned rear chamber having focused feedback
of out-of-band signals and a dual forward chamber
for peaking the bandpass and freq. of resonance.

Sound only exits the front.

Take care. 72/Ed we6w
Bruce Kizerian wrote:

>
> Ed
>
> This is very interesting. Is your device a ported enclosure
> designed with a very high Q, or are you symmetrically loading the
> speaker (sealed box behind the speaker and a ported enclosure in

> front of it)? The first method would give a fourth order low pass
> filter function, and the second would yield a fourth order
> bandpass. It seems that either method could be made to work.
> Obviously, the method you are using is working quite well. A Q of
> 11 for a speaker system is amazing. It would play lousy music, but
> in your application it seems like a great approach. Keep me posted.
> I have designed quite a few speaker systems (one of my other
> hobbies), but yours has to be one of the most novel approaches I
> have ever seen.
>
> Bruce kk7zz
>
> Ed replied about ringing of the filter:
>
> > I don't think so. If there was, you just tune RIT slightly off
> > of the peak of the filter and the effect diminishes.
> >
> > -Ed
> >

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Fri, 28 Jan 2000 13:30:52 -0500
From: Frank Alwine <n1gpy@together.net>
To: qrp-l@Lehigh.EDU
Subject: [61520] 6M: Propagation Alert! (Au)
Message-ID: <3891E05C.D10B55EE@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Solar-terrestrial indices for 27 January follow.
>Solar flux 132 and Boulder A-index 13.
>The Boulder K-index at 1500 UT on 28 January was 5 (71 nT).

OK folks, here we go! If you're in the northern latitudes,
turn on those 6M rigs and swing those yagi's North (if you
have one)! No guarantee that an aurora will occur, but a
"K" indices of 5 or more is a good sign!

Aurora ("Au" for short) can also affect 10M so if you don't have
6M you might try listening on 10M to get a feel for what Au is
all about. Voice signals will be "raspy" sounding and so will

CW. CW signals will broaden out to maybe 1Khz wide or so on 6M.
During an aurora opening, on CW you send a signal report like
"55a" where the "a" for aurora replaces the "tone" report. On
SSB you say "55 aurora" for the signal report.

Just checked the NOAA Gopher again and the K index is now "4"
(@ 1800Z). Still high enough to produce an opening.
Unfortunately I'm stuck at work for 3 more hours, so I hope if
we get some Au it's a long, strong opening...

72/73, de Frank KT1VT in FN34 Vermont

Date: Fri, 28 Jan 2000 13:49:36 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61521] OT: The mind is a terrible thing to loose (me)
Message-ID: <698DB793D712D31180B600902746422D50BBD0@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

OK so it wasn't Jim Fitton, it was Jim Francoeur - KC1FB. My mind wanted to
think it was Jim Fitton. What can I say. W1FMR ain't even close to KC1FB.
I have no explanation for this one. Chalk it up to Fox hysteria or anything
else you want.

I also had a couple of correction to the log. I'll wait to send out the
next one til tomorrow afternoon.

72,
Nick - kf2ph . .

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2PH
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

Date: Fri, 28 Jan 2000 12:58:17 -0600
From: lnrr@juno.com
To: qrp-l@Lehigh.EDU
Subject: [61522] HW-7 Mods
Message-ID: <20000128.125817.-159289.2.lnrr@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

"The HW-8 Handbook" has a few HW-7 mods (and quite a few HW-9 mods). As the title indicates, the HW-8 is the main focus but other models are not ignored. A new edition of this book was published recently. Every HW-8 owner needs a copy. I'd offer mine, but I put it on Ebay a few days ago with my HW-8.

Bryan Turner W8LN
<http://homestead.juno.com/lnrr/index.html>

HW-8 Ham Transceiver For Sale
<http://homestead.juno.com/lnrr/hw8.html>

Date: Fri, 28 Jan 2000 13:00:39 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: hybiske@generalatronics.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61523] Re: 6M antenna cross polarization question
Message-ID: <3891E757.6B2CFA19@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Tom Hybiske wrote:

>
> If you're looking to work 6 using CW and SSB. Do you have to be concerned
> about attenuation from cross polarization? i.e. working a station using a
> yagi while you're using a vertical. This is very critical at 2 meters and
> up.

Yes if you are talking about working stations across town or out to 300-500 miles. Attempting to work a station say 30 miles away, your signal will be down 20 db or more if you are cross polarized. That means you would have to run 500 watts to a vertical to be as strong as 5 watts on a horizontal dipole.

However, when operating via sporadic E skip or bouncing signals off the

F layer, the polarization isnt going to make much difference because its always changing as it bounces around.

73 de Dave, N0IT

Date: Fri, 28 Jan 2000 14:26:07 -0500 (EST)
From: Joel Malman <malman@world.std.com>
To: K4NK@aol.com
Cc: k1qm@world.std.com, qrp-l@Lehigh.EDU
Subject: [61524] Re: ARRL Appointment
Message-ID: <200001281926.0AA24023@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Congrats!!!

Note that the March 2000 QST issue focus is: "QRP Projects and Operating".
(see page 158, Feb 2000 QST).

Ahemmmm.... "Talk up QRP."

--
/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Fri, 28 Jan 2000 13:35:58 -0600
From: "Ron White" <rwhite@netins.net>
To: "Qrp-l" <qrp-l@Lehigh.EDU>
Subject: [61525] Construction practices
Message-ID: <000901bf69c6\$e8e92da0\$c8138ea7@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi,

I'm curious to find out how others cut circuit boards. I know some use =
metal shears, but that's kind of expensive for an occasional use.

Any ideas appreciated.

Ron

Ron White
e-mail - rwhite@netins.net
Amatuer radio WA MWW

Date: Fri, 28 Jan 2000 14:05:14 -0600
From: Sam_Stimson@Dell.com
To: rwhite@netins.net, qrp-1@Lehigh.EDU
Subject: [61526] RE: Construction practices
Message-ID: <5F97C32016F1D1119B1700A0C98422E702D76257@ausxmbrh05.us.dell.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Well, for small projects, I use a hobby saw. Works fine....

Sam
N5WU

Hi,

I'm curious to find out how others cut circuit boards. I know some use =
metal shears, but that's kind of expensive for an occasional use.

Any ideas appreciated.

Ron

Ron White
e-mail - rwhite@netins.net
Amatuer radio WA MWW

Date: Fri, 28 Jan 2000 12:06:23 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61527] Shack visit by N0TU
Message-ID: <3891F6BF.D9DB33C6@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang, it was great. Steve/N0TU and I work at the same company and he found time to visit my shack and have dinner at my favorite pub.

We had so much fun perusing the shack that we darn near ran out of time for dinner.

It was funny, Steve was to find my place and I told him I'd put the garbage can out front so he's see notice my QTH easier.

Ha! I got home and it was trash day -- everyone had their garbage cans out! I ended up hanging around out front.

He really liked the KD7S 20 to 10 Meter loop tuned with the trombone tuner. But the latest call to 160 Meters was begging so we spent a lot of time with my co-planar wound 160 meter TX/RX loop! It was fun explaining why I used Hi-Voltage TX lines to the loop. All homebrew of course. It was easy to share the plans since they are on my webpage. Too bad the firewall has kept me from updating the page at lunchtime. I need to get FTP going from home.

As with all my visitors, I sent him off with a smart charger and a complete demo on how it works, and how it shuts off with bad batteries or open circuits. Also fun was demonstrating the 10 MHz OCXO on the HP8566B spectrum analyzer. That's one clean signal.

I also showed him how I learned to send left handed after I didn't like the clumsiness of both writing and sending right handed. More room on the table with the paddles and bugs to the left. Especially when I've always got a coffee mug going.

After many qso's, it was nice to have an eyeball.

With all the mess from activities in the shack, I didn't have the heart to tell him

that I recently cleaned it up :)

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Fri, 28 Jan 2000 12:14:01 -0800

From: Ed Loranger <we6w@qsl.net>

To: rwhite@netins.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61528] Re:Cutting PC Board material.

Message-ID: <3891F889.98D4E48D@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I use a contractors grade hacksaw. I think
36 tooth blade. Real fast. I duct tape
the blank board to a table and cut along the
scored line measured earlier.

It was a great excuse to by the nice hacksaw.

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Fri, 28 Jan 2000 15:18:11 -0500

From: Michael Bower <bowerm@ix.netcom.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61529] WTB: KnightSmite

Message-ID: <3891F983.51750A0A@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have managed to lose my KnightSMite kit and would like to buy another one.
If you have one you want to sell, please send me an e-mail off-list. Thanks
in advance.

Michael - N4NMR

Date: Fri, 28 Jan 2000 14:34:07 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Ron White <rwhite@netins.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61530] Re: Construction practices
Message-ID: <Pine.BSI.3.96.1000128143206.15658A-1000000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I use a hacksaw blade on my bandsaw. The blade doesn't last long when cutting fibreglass material like G-10, but it's a lot faster and easier than any other method I've tried. You don't want to use a bench shear as it takes the edge off the blade real fast. The glass fibres in that material wears our cutting edges quickly.

Chris

On Fri, 28 Jan 2000, Ron White wrote:

> Hi,
>
> I'm curious to find out how others cut circuit boards. I know some use =
> metal shears, but that's kind of expensive for an occasional use.
>
> Any ideas appreciated.
>
> Ron
>
> Ron White
> e-mail - rwhite@netins.net
> Amatuer radio WA MWW
>
>

What's all this
extinct stuff, anyhow?

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWW
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

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Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Fri, 28 Jan 2000 16:38:22 EST
From: K2UD@aol.com
To: rwhite@netins.net
Cc: qrp-1@lehigh.edu
Subject: [61531] Re: Construction practices
Message-ID: <6a.6c4869.25c3664e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

One way to cut circuit boards that is not very glamorous, or neat, is to scribe a line down the "cut" with a sharp blade. Placing the board edge of a flat surface with the top reinforced with a piece of wood, and possibly clamping the assembly to the surface with C clamps, the PCB is struck smartly. This will cause the board to crack off. You might waste the remaining board, and will need to file the wanted portion of board.

This is extreme, but works in a pinch (like when you're miles from a shear, and need a piece of board NOW).

My favorite way to cut boards is to use a kick shear at a machine shop. Get to know the owners of one very well. They may see your plight and allow you to dull their shear with PCB's. BTW, Kepco makes such a shear specifically for cutting PCB's, though it is a bit costly.

72

Howard Kraus, K2UD

Date: Fri, 28 Jan 2000 16:59:49 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>

To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>, "klqrp_submit (E-mail)" <klqrp@waterw.com>
Subject: [61532] KIT: NOGAPIG - A little FAT in the Current Consumption Department for some USERS!
Message-ID: <66FCE0D1DF76D311913800805F6D0FA35F2FD5@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

We have been retesting the PIGs that NOGA members have built and are seeing about 6 to 7 mA current draw during monitoring mode when the supply voltage is above the low voltage minimum.

Several users have brought to our attention that the PIG uses more current in a monitor mode that was expected based on previously published information. We have checked this out and agree.

NOGA would like to correct our NOGAPIG article comment in the ARCI QQ that referenced the draw at "about 4mA" and the NOGA Web page that stated "...less than 4 mA". We obviously misstated how hungry the PIG was. We would like to put it on a diet but in fact the comparator chip we used is lean and mean compared to most others by a good factor. You can reduce it somewhat by increasing the reference resistor divider to use values that are X10 or X20 supplied values but you still will be in same ballpark. If you increase the dropping resistor to the reference (5.1v) Zener you risk the starving the zener to an unstable reference situation.

So if 6-7 mA is TOO much consumption to achieve battery monitoring I would not buy or build the PIG from the QQ article schematic. But if you're going to the field with a battery that can stand this EXTRA load and want to really know the condition of your battery then the PIG will do the job.

Sam Billingsley AE4GX Atlanta, GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

Date: Fri, 28 Jan 2000 17:23:44 EST
From: Macstein@aol.com
To: qrp-1@lehigh.edu
Subject: [61533] AF4PS's 2n2 - or - Adventures in "Manhattan" (long)
Message-ID: <4b.e9bece.25c370f0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi all,

The guys in my QRP club (West FL QRP Club) laughed when I said I was going to try to build Jim Kortge's 2n2 rig. They saw my construction efforts at our club sessions playing around with oscillators. They didn't even TRY to hide their laughter, the bums!

I had begun scrounging parts back when the contest was announced. I ordered the first partial parts package from Dan's Small Part's, the board from Bob H. and the ScQRPians and put the stuff in a drawer. Later, I never did find the board but, then Sergio offered the copperclad PCB, trying to raise money for his first QRP rig, and I bit. Then Jim Kortge won the contest and developed his web site, and the QRPP feature was published. Preston said "Yes, it works, look how I did it!" Deep breath, and here we go!

My friend Bob Engleman WB8UOJ, was kind enough to build his along side me -- well, virtually -- he's in Ohio and I'm in Florida. And we've compared notes along the way. Fortunately, Bob has a much better grasp of this stuff than me, so THAT was a good idea!

Jim Kortge, in addition to being brilliant -- and an artist (Can you BELIEVE those pictures!), may be the most patient man alive. He has gently fed me with basic theory, held my hand through issues obvious to most of you, and all without calling me an idiot even ONCE via email, and made excellent suggestions along the way. He referred me to places I could read more, and I have learned more doing this than all of the license exams and my three years as a ham put together!

Most of my "mistakes" fell into three categories: things in the wrong place, things left out, and clumsy glue adventures. Here are my highlights and "idiot" tips:

- I used the small nibble tool pads, and getting 4 leads soldered to one of those things at the same time is a challenge.
- I do recommend that you sleep some between sections, and test as you go, rather than jumping to the next section while waiting on backordered parts.
- Double check the new schematics from Jim's web site as you follow the illustrations (Paul Harden is a real treasure!)
- Don't scratch - anywhere - with superglue on your fingers.
- Don't try to duplicate the AF4PS creative lamination technique (The top came off the glue and it puddled all over everything in the middle of the board, then in my lap while wearing shorts.)
- Take breaks and think about why a particular part is there.
- Don't solder your fingers. It hurts a long time and smells really bad.
- use a fan or good ventillation. The distinctive solder/glue combo smoke/odor get's nasty (remember THAT thread!?).
- Don't deluge Jim and other generous people with idiotic emails celebrating

each little victory and frustration, look at it again and learn.
- BOY does it feel good when it works! Bob would say "WHOO HOO!"

If you haven't tried this from scratch, Manhattan style of building, you are really missing out. I want to PUBLICALLY thank Jim K., Paul H., Preston D., NorCal, Bob E., Steve W., Steve C., Mike M., and others for all of the help.

I still gotta tweak the transmit section, the FET mod, and the RIT mod. Is there a contest for UGLIEST UGLY CONSTRUCTION? I'm there.

72
-MAC-
AF4PS
Odessa, FL

Date: Fri, 28 Jan 2000 15:29:49 -0000
From: "Niel Skousen" <nskousen@scientechnology.com>
To: <qrp-l@lehigh.edu>
Subject: [61534] C-IV remote control software
Message-ID: <000201bf69a4\$83b20be0\$6f1a0a0a@scientechnology.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently acquired an R9000 w/ intermittent display. Is there any decent C-IV remote software shareware available? A little surfing showed a handful of \$99-\$150 packages out there, but I'm looking for a basic package to be mainly the freq display (re intermittent.. ;-) and want to keep additional costs down for a while. Also, if anyone could point me to something with source that I could play with that would be even neater..

TNX

Niel
nskousen@srv.net

Date: Fri, 28 Jan 2000 17:37:10 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [61535] Snakes & QRP outdoors, Why we have the problem
Message-ID: <b2.b4a8e7.25c37416@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,

This may seem off topic to some but being concerned about my fellow QRP'ers operating outdoors, I felt this information will help others understand why we have the snake problem and what is being done about it.

The last thing we need is snakes getting into our wire type antennas and driving up the SWR.

Bob

WA2HOQrp <tm>

Doctrinal Differences Within the DOD (Department of Defense) upon
Encountering a Snake in the Area of Operations (AO):and QRP OP's

U.S. Army

1. Infantry: Snake smells them, leaves area.
2. Airborne: Lands on and kills the snake.
3. Armor: Runs over snake, laughs, and looks for more snakes.
4. Aviation: Has Global Positioning Sattelite coordinates to snake. Can't find snake. Returns to base for refuel, crew rest and manicure.
5. Ranger: Plays with snake, then eats it.
6. Field Artillery: Kills snake with massive Time On Target barrage with three Forward Artillery Brigades in support. Kills several hundred civilians as unavoidable collateral damage. Mission is considered a success and all participants (including cooks, mechanics and clerks) are awarded Silver Stars.
7. Special Forces: Makes contact with snake, ignores all State Department directives and Theater Commander Rules of Engagement by building rapport with snake to win its heart and mind. Trains it to kill other snakes. Files enormous travel settlement upon return.
8. Combat Engineer: Studies snake. Prepares in-depth doctrinal thesis in obscure 5 series Field Manual about how to defeat snake using countermobility assets. Complains that maneuver forces don't understand how to properly conduct doctrinal counter-snake OPs.
9. AH-64 Apache pilot: Unable to locate snake, snakes don't show well on infra-red. Infrared only operable in desert AO's without power lines or

SAM's.

10. UH-60 Blackhawk pilot: Finds snake on fourth pass after snake builds bonfire, pops smoke, lays out VS 17 to mark Landing Zone. Rotor wash blows snake into fire.

11. Intelligence officer: Snake? What snake? Only four of 35 indicators of snake activity are currently active. We assess the potential for snake activity as LOW.

U.S. Navy

1. Navy SEAL: Expend all ammunition and calls for naval gunfire support in failed attempt to kill snake. Snake bites SEAL and retreats to safety. Hollywood makes fantasy film in which SEALs kill Muslim extremist snakes.

2. Navy: Fires off 50 cruise missiles from various types of ships, kills snake and makes presentation to Senate Appropriations Committee on how Naval forces are the most cost-effective means of anti-snake force projection.

U.S. Marines

1. Marine: Kills snake by accident while looking for souvenirs. Local civilians demand removal of all US forces from Area of Operations.

2. Marine Recon: Follows snake, gets lost.

3. Combat Controllers: Guides snake elsewhere.

4. Para-Rescue Jumper: Wounds snake in initial encounter, then works feverishly to save snake's life.

5. Supply: (NOTICE: Your anti-snake equipment is on backorder.)

U.S. Airforce

1. Transport pilot: Receives call for anti-snake equipment, delivers two weeks after due date.

2. F-15 pilot: Mis-identifies snake as enemy Mil-24 Hind

helicopter and engages with missiles. Crew chief paints snake kill on aircraft.

3. F-16 pilot: Finds snake, drops two CBU-87 cluster bombs, and misses snake target, but get direct hit on Embassy 100 KM East of snake due to weather (Too Hot also Too Cold, Was Clear but too overcast, Too dry with Rain, Unlimited ceiling with low cloud cover etc.) Claims that purchasing multi-million dollar, high-tech snake-killing device will enable it in the future to kill all snakes and achieve a revolution in military affairs.

4. B-52 pilot: Pulls ARCLIGHT mission on snake, kills snake and every other living thing within two miles of target.

5. Missile crew: Lays in target coordinates to snake in 20 seconds, but can't receive authorization from National Command Authority to use nuclear weapons.

JAG

1. Snake declines to bite, citing grounds of professional courtesy.

Date: Fri, 28 Jan 2000 18:08:10 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [61536] Re: My 6M ignorance
Message-ID: <3891DB0A.70AC@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

A question that I haven't seen the answer to in the ongoing discussion:
Is 6 m a day-time only band like 10 m?

73,

--

Arjen Raateland
OH2ZAZ

AX.25: OH2ZAZ@OH2RBI.FIN.EU
Email: oh2zaz@arrl.net

Date: Fri, 28 Jan 2000 17:00:52 -0600
From: George F Franklin <w0av@juno.com>
To: qrp-l@lehigh.edu
Subject: [61537] Ref. 160M CW Contest
Message-ID: <20000128.170052.-264511.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello Fellow 160M QRPers,

The CQ 160M CW contest is in full swing; started 2200Z Friday, 1-28-00.

I'll be looking for QRP contacts around 1810 all weekend.

72 de George/W0AV

Date: Fri, 28 Jan 2000 18:03:16 -0500
From: DENNYV@CLARITYCONNECT.COM
To: qrp-L@Lehigh.edu
Subject: [61538] 2N2222's gone for now
Message-ID: <1263021900-2005566@smtp.clarityconnect.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: Quoted-Printable

Thanks to all that replied as it stands they are all spoken for. I may have some that escaped and I will hunt them down, if you want to get on a list I'll send you an email if I find them. Its cold up here in Northern Pennsylvania so they gotta be where its warm, because thats the only place I'll look=

Date: Fri, 28 Jan 2000 18:21:49 -0500
From: Buck Switzer <n8cqa@tir.com>
To: weinfurt@oak.cats.ohiou.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, n8cqa@tir.com
Subject: [61539] Re: HW-7 Response summary
Message-ID: <3892248D.697C3D99@tir.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greg Weinfurtner wrote:

>

> Hi all,

> Thanks to all of you (W0AV, W6TOY, WB8YYY, K2UD, WA5WHN) for the
> responses concerning my HW-7/mods request! GREAT bunch!

>

> NS80

Gang - MI-QRP Club has HW-8 Handbooks for \$10.00 plus postage. I
believe I have 10 left in the club's swap box. Let me know if you are
interested.

73 Buck N8CQA

Date: Fri, 28 Jan 2000 16:45:09 -0700

From: "Zoerb, Ron" <Zoerb.Ron@tci.com>

To: "'QRP-l Messages'" <qrp-l@lehigh.EDU>

Subject: [61540] New Fox Nabber Technique / in the running for Top Award

Message-ID: <5899595F9867D311BC0A00805F57884D440271@copland.tci.com>

MIME-Version: 1.0

Content-Type: text/plain

To Qrpers or Non-Qrpers of QRP-L,

This ingenious new technique of blasting thought the biggest of pile ups to
nab the highly prized pelt of honorable Fox KF2PH brings to mind the
startling fact that this brilliant idea, impeccable execution and
willingness to share his good fortune deserves special recognition.

In that spirit, I wish to nominate Dan Wolfe (N4ROA), a true gentlemen and
scholar, not to mention distinguished Qrper, 160 meter QRP world record
holder, team member in the highest standing of the world famous "UnderDogs"
Fox Hunting Team as a candidate for the coveted CQC Wooden Radio Award.

A special and elite committee (past winners and a couple of club officers to
make it illegal) of the Colorado QRP Club select only one deserving person
of the many nominated for the award which is presented at the CQC Annual
Banquet in February.

As a past winner of the Wooden Radio Award, I know how tough the competition
is but believe Dan would have a good shot at wining this year if we all get
behind him with our support. The issues of CQC membership and "needing to be
present to win so we all can hoot and holler at you" are only minor issues
we can overcome.

Please join me in the "N4ROA for WRA" campaign, a worthwhile and noble
cause. This group is the greatest, I know you will do what is right!

72 Ron ki0ii WRA #2

Date: Fri, 28 Jan 00 18:51:55 -0500
From: Dave Curry <kb8tt@ncweb.com>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61541] Re: Snakes & QRP outdoors,Why we have the problem
Message-ID: <200001282354.SAA88634@mail.ncweb.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Har!--I wish all off-topic postings were this good. Best laugh I've had
in a week!!

Um, well it really isn't off-topic--Actually an important guide for QRPrs
in the field. (Required statement to make reply an on-topic response.)

Dave
KB8TT

BROTHERS-IN-ARMS

Dedicated to Thomas D. Curry and the men he served with in Company F,
331st Infantry, 83rd Division.

<http://www.ncweb.com/~davecurry/brothers/>

End of QRP-L Digest 1714
